

Claims

- [c1] 1.A method comprising:
deriving a software object class from a persistent base software object class that includes persistence functionality relative to relational database management systems (RDBMS), the software object class including the persistence functionality; and,
compiling the software object class to an executable software object having the persistence functionality built-in, such that the executable software object is able to persist to the RDBMS using the persistence functionality built-in.
- [c2] 2.The method of claim 1, further comprising executing the executable software object within a run-time environment having attribute and reflection properties.
- [c3] 3.The method of claim 1, wherein deriving the software object class from the persistent base software object class comprises adding relevant persistence attributes to source code for the software object class.
- [c4] 4.The method of claim 1, wherein compiling the software object class to the executable software object comprises compiling the software object class to an executable domain software object.
- [c5] 5.A system comprising:
a run-time environment having attribute and reflection properties;
a relational database management system (RDBMS); and,
one or more executable software objects having built-in functionality to persist themselves to the RDBMS and executed within the run-time environment.
- [c6] 6.The system of claim 5, further comprising a software object class from which the one or more executable software objects are compiled, the built-in functionality of the one or more executable software objects resulting from the compiling of the software object class thereto.
- [c7] 7.The system of claim 6, further comprising a persistent base software object class from which the software object class is derived and that includes persistence functionality relative to the RDBMS.

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| [c8] | 8.The system of claim 5, wherein the one or more executable software objects comprises one or more executable domain software objects. |
| [c9] | 9.A computer-readable medium having data stored thereon representing one or more executable software objects having persistence functionality built-in and executable within a run-time environment having attribute and reflection properties, such that the one or more executable software objects are able to persist themselves to a relational database management system (RDBMS). |
| [c10] | 10.The medium of claim 9, wherein the one or more executable software objects result from compiling a software object class thereto that includes the persistence functionality. |
| [c11] | 11.The medium of claim 10, wherein the software object class results from deriving a base software object class thereto that includes the persistence functionality relative to the RDBMS. |
| [c12] | 12.The medium of claim 9, wherein the medium is one or more of: a volatile medium, a non-volatile medium, a semiconductor memory, an optical medium, a hard disk drive, a floppy disk, a removable storage medium, a fixed storage medium, an optical medium, and a magnetic medium. |
| [c13] | 13.A computer-readable medium having data stored thereon representing a persistence library include a persistent base software object class that includes persistence functionality relative to a relational database management system (RDBMS) from which a software object class is derivable, the software object class compilable to an executable software object having the persistence functionality built-in, the executable software object executable within a run-time environment having attribute and reflection properties. |
| [c14] | 14.The medium of claim 13, wherein the persistence library comprises a dynamically linked library (DLL). |
| [c15] | 15.The medium of claim 13, wherein the medium is one or more of: a volatile medium, a non-volatile medium, a semiconductor memory, an optical medium, a hard disk drive, a floppy disk, a removable storage medium, a fixed storage |

medium, an optical medium, and a magnetic medium.